

# Sakthivel P

## List of Publications by Year in descending order

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35  
papers

487  
citations

686830

13  
h-index

713013

21  
g-index

35  
all docs

35  
docs citations

35  
times ranked

277  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, band gap and photoluminescence behaviour of Mn-doped ZnS quantum dots annealed under Ar atmosphere. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1533-1542.	1.1	47
2	Impact of third-grade nanofluid flow across a convective surface in the presence of inclined Lorentz force: an approach to entropy optimization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1935-1947.	2.0	42
3	Influence of Co <sup>2+</sup> on electrical and optical behavior of Mn <sup>2+</sup> -doped ZnS quantum dots. <i>Optics and Laser Technology</i> , 2018, 103, 109-117.	2.2	37
4	Structural, photoluminescence and magnetic properties of Mn, Cr dual-doped ZnS quantum dots: Influence of Cr concentration. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 120, 183-189.	1.9	37
5	Structural, optical, electrochemical, and antibacterial features of ZnS nanoparticles: incorporation of Sn. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	36
6	Enhanced blue-light emission on Cd <sub>0.9-x</sub> Zn <sub>0.1</sub> CrxS(0 ≤ x ≤ 0.05) quantum dots. <i>Ceramics International</i> , 2019, 45, 3833-3838.	2.3	28
7	Influence of Ag <sup>+</sup> and Mn <sup>2+</sup> ions on structural, optical and photoluminescence features of ZnS quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118666.	2.0	20
8	Crystallographic, Structural and Band Gap Tailoring of Zn <sub>0.98</sub> Mn <sub>0.02</sub> S Quantum Dots Co-Doped with Cu by Co-Precipitation Method. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 563-571.	1.9	19
9	Effect of Mg on Cd <sub>0.9-x</sub> Zn <sub>0.1</sub> S nanoparticles for optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	16
10	Investigation of Ni influence on structural and band gap tuning of Zn <sub>0.98</sub> Mn <sub>0.02</sub> S quantum dots by co-precipitation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8309-8315.	1.1	15
11	Influence of Sn <sup>4+</sup> ion on band gap tailoring, optical, structural and dielectric behaviors of ZnO nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120487.	2.0	15
12	Tuning of Photoluminescence and Antibacterial Properties of ZnO Nanoparticles through Sr Doping for Biomedical Applications. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-7.	1.5	15
13	Influence of Cd on optical and photoluminescence behavior of Zn <sub>0.98-x</sub> CdxMn <sub>0.02</sub> S quantum dots under Ar atmosphere. <i>Optik</i> , 2018, 154, 74-82.	1.4	14
14	Structural, optical, photoluminescence and electrochemical behaviours of Mg, Mn dual-doped ZnS quantum dots. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11984-11993.	1.1	14
15	Incorporation of silver ion on structural and optical characteristics of CeO <sub>2</sub> nanoparticles: White LED applications. <i>Optik</i> , 2020, 216, 164800.	1.4	14
16	Effect of Pd <sup>2+</sup> co-doping on the structural and optical properties of Mn <sup>2+</sup> :ZnS nanoparticles. <i>Optics and Laser Technology</i> , 2020, 130, 106365.	2.2	13
17	Structural, morphological and photoluminescence characteristics of Cd <sub>0.9-x</sub> Zn <sub>0.1</sub> S quantum dots: Effect of Fe <sup>2+</sup> ion. <i>Optik</i> , 2020, 205, 164220.	1.4	11
18	Band gap tailoring and photoluminescence performance of CdS quantum dots for white LED applications: influence of Ba <sup>2+</sup> and Zn <sup>2+</sup> ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 5729-5737.	1.1	11

#	ARTICLE	IF	CITATIONS
19	Enhanced orange emission of Zn <sub>0.98</sub> â€“Mn <sub>0.02</sub> CoxS (x = 0<math>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 752 Td (xml&#x2D;dots. Journal of Physics and Chemistry of Solids, 2022, 160, 110370.	1.9	11
20	Structural, photoluminescence, antibacterial and biocompatibility features of zinc incorporated hydroxyapatite nanocomposites. Journal of Materials Science: Materials in Electronics, 2021, 32, 5050-5064.	1.1	11
21	Role of Bi <sup>3+</sup> ions on structural, optical, photoluminescence and electrical performance of Cd <sub>0.9-x</sub> Zn <sub>0.1</sub> Bi <sub>x</sub> S QDs. SN Applied Sciences, 2021, 3, 1.	1.5	9
22	Influence of Sn <sup>2+</sup> ion on structural, morphological and optical characteristics of Cd <sub>0.9</sub> âˆ“xZn <sub>0.1</sub> Sn <sub>x</sub> S (0â€“xâ€“0.06) quantum dots. Indian Journal of Physics, 2021, 95, 741-747.	0.9	8
23	Band gap tailoring, structural and optical features of MgS nanoparticles: Influence of Ag <sup>+</sup> ions. Optik, 2021, 236, 166544.	1.4	8
24	Structural, optical, thermal, and magnetic properties of strontium nitrate doped l-Alanine crystal. Optik, 2020, 221, 165336.	1.4	7
25	Investigation on the structural and optical properties of Mn <sup>2+</sup> doped MgS nanoparticles synthesized by hydrothermal method. Optik, 2021, 225, 165774.	1.4	7
26	Structural and optical investigations of ZnS quantum dots: influence of pH value. Indian Journal of Physics, 2022, 96, 3755-3760.	0.9	7
27	Detoxication and Theranostic Aspects of Biosynthesised Zinc Oxide Nanoparticles for Drug Delivery. Acta Metallurgica Sinica (English Letters), 2021, 34, 729-740.	1.5	6
28	Microwave assisted green synthesis of zinc oxide nanoparticles for biological applications. AIP Conference Proceedings, 2020, , .	0.3	4
29	Structural and optical properties of Zn <sub>0.98</sub> T <sub>0.02</sub> S (T=Mn, Cu, Ni, Co, Cr, Cd & Sn) quantum dots: A comparative study. AIP Conference Proceedings, 2019, , .	0.3	1
30	Thermal plasma processing of spherical ZnO nano powders. AIP Conference Proceedings, 2019, , .	0.3	1
31	Thermally Radiative Casson Fluid Flow over a Cylinder with Newtonian Heating and Heat generation/absorption. Journal of Physics: Conference Series, 2021, 1964, 022001.	0.3	1
32	Band gap engineering on CdS quantum dots through dual doping of Zn <sup>2+</sup> and of Ni <sup>2+</sup> ions. Journal of Physics: Conference Series, 2021, 1964, 062103.	0.3	1
33	Structural, optical investigations of Zn <sub>0.98-x</sub> Sn <sub>0.02</sub> Mn <sub>x</sub> S (x â€“0.04) quantum dots for optoelectronic applications. Optik, 2021, 240, 166788.	1.4	1
34	The First International Conference on Advances in Computational Science and Engineering (ICACSE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 752 Td (xml&#x2D;dots. Journal of Physics: Conference Series, 2021, 1964, 062101.	0.3	0